

Attorney Docket No. 0756-2178

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Shunpei YAMAZAKI

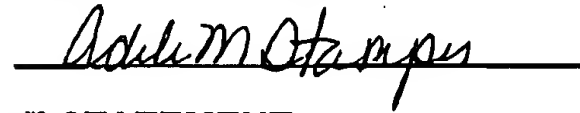
Serial No. 09/619,477

Filed: July 19, 2000

For: CONTACT STRUCTURE AND  
SEMICONDUCTOR DEVICE

) Group Art Unit: 2822

) Examiner: Kiesha L. Rose

) CERTIFICATE OF MAILING OR FACSIMILE  
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Office on October 30, 2007.INFORMATION DISCLOSURE STATEMENTHonorable Commissioner of Patents  
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Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing information known to Applicant and requests that this information be made of record in the above identified application. Copies are submitted herewith in accordance with 37 C.F.R. 1.98(a).

The attached references were cited in a Notice of Allowance by the Korean Patent Office in Application No. 10-2000-0042234 on October 22, 2007. The Korean patent shares the same priority Japanese application as the subject application.

This Information Disclosure Statement is being submitted with an RCE. Therefore, no fee is required.

The Commissioner is hereby authorized to charge fees under 37 C.F.R. §§1.16, 1.17, 1.20(a), 1.20(b), 1.20(c), and 1.20(d) (except the Issue Fee) which may be required now or hereafter, or credit any overpayment to Deposit Account No. 50-2280.

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Application Serial No. 09/619,477  
Attorney Docket No. 0756-2178

Respectfully submitted,



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**Title of the Invention : Liquid crystal display device**

**[ABSTRACT]**

The invention relates to a pad protection type thin film liquid crystal display device including a liquid crystal substrate formed, at one side thereof, with a pad such that the pad is connected to a line and is partially exposed to the air, an anisotropic conductive film completely covering the exposed pad of the liquid crystal substrate, and a tape carrier package to which one surface of the anisotropic conductive film is bonded. Since the anisotropic conductive film is bonded such that it completely covers the exposed portion of the pad in the liquid crystal display device, it is possible to provide effects capable of preventing current leakage and erosion of the line in the pad region caused by an electrochemical action of moisture existing between the substrate and the pad.

DIALOG(R)File 352: Derwent WPI

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0009113055 *Drawing available*

WPI Acc no: 1999-032752/199903

Liquid crystal display

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)

Inventor: KIM D; KIM D G

Patent Family ( 2 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
KR 1998003724	A	19980330	KR 199619795	A	19960604	199903	B
KR 169443	B1	19990320	KR 199619795	A	19960604	200042	E

Priority Applications (no., kind, date): KR 199619795 A 19960604

Title Terms /Index Terms/Additional Words: LIQUID; CRYSTAL; DISPLAY

**Class Codes**

International Patent Classification					
IPC	Class Level	Scope	Position	Status	Version Date
G02F-001/1345			Main		"Version 7"

File Segment: EngPI; EPI;

DWPI Class: U14; P81

Manual Codes (EPI/S-X): U14-K01A4B